

# PATENT ABSTRACTS OF JAPAN

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## (54) METHOD FOR OXIDIZING CO INTO CO<sub>2</sub> AND PRODUCTION OF HYDROGEN-CONTAINING GAS FOR FUEL CELL

### (57)Abstract:

**PURPOSE:** To efficiently obtain a hydrogen-containing gas for a fuel cell, by catalytically oxidizing a CO-containing reformed gas consisting essentially of hydrogen obtained by methanol reforming reaction, selectively oxidizing contained CO into CO<sub>2</sub> and removing.

**CONSTITUTION:** This reformed gas which is a CO-containing reformed gas obtained by methanol reforming reaction, consists essentially of hydrogen and contains ≤3wt.% of at least one impurity selected from methanol, formic acid and formaldehyde is mixed with an oxygen-containing gas. The mixed gas is brought into contact with a noble metal to selectively oxidize CO into CO<sub>2</sub> and to selectively oxidize and remove CO.